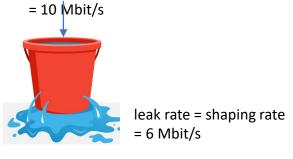
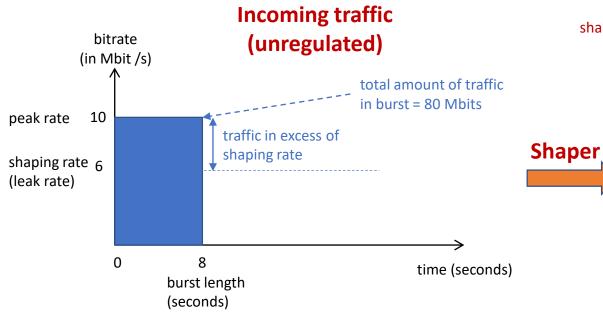
"Shaping": Example for a single traffic burst



bursty inflow

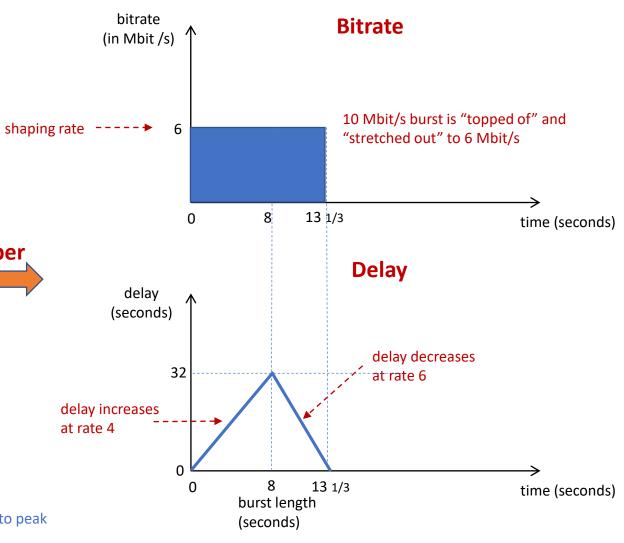


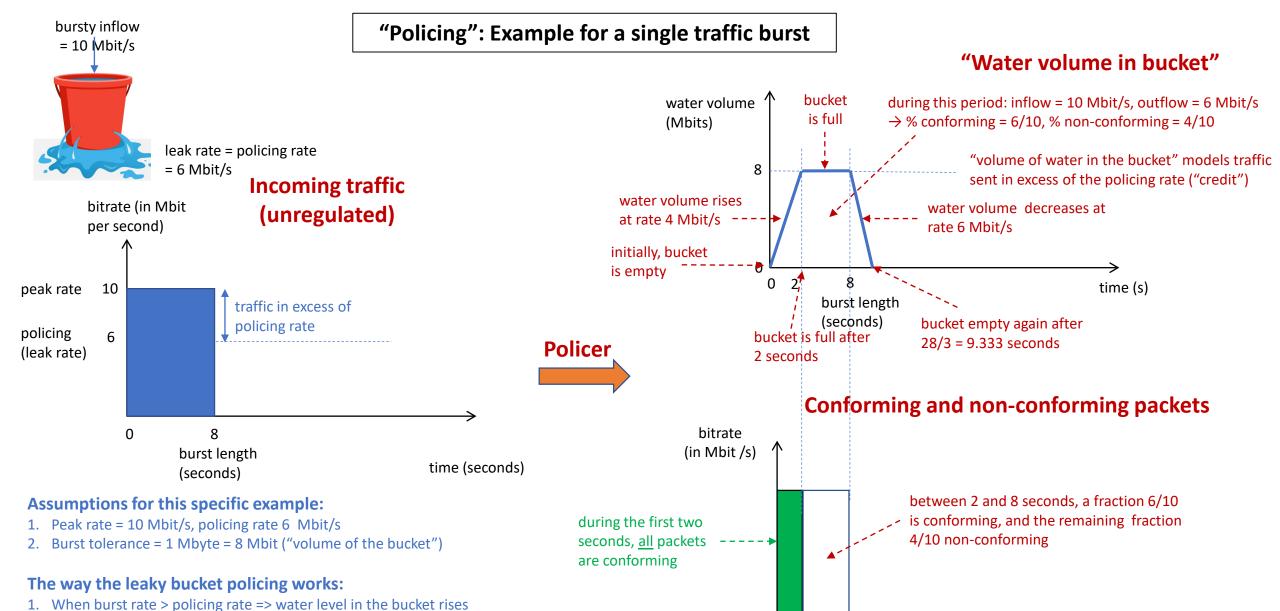
Assumptions for this specific example:

Peak rate = 10 Mbit/s, shaping rate = 6 Mbit/s

The way shaping works:

- 1. When burst rate > shaping rate rate => shaping buffer level rises (at a rate equal to peak rate minus shaping rate)
- 2. The delay then equals then buffer level / shaping rate





8

time (s)

0 2

non-conforming 3. Fraction conforming "f" is given by f = policing rate / peak rate, and fraction

2. When water volume = burst tolerance (that is: "the bucket is full") only a

non-conforming by 1-f = (peak rate – policing rate) / peak rate

fraction "f" of the packets are marked conforming and the other packets as